

Rec'd I/T/PTO 23 JUN 2005

SEQUENCE LISTING

5 <110> Pipeline-Biotech
Finn Skou Pedersen
Shervin Bahrami
Mogens Ryttergaard Duch

10 <120> A purified retroviral envelope
polypeptide, isolated nucleic acids encoding said
polypeptide, vectors and use thereof

15 <130> P32118PC01

20 <150> PA200200767
<151> 2002-05-17

25 <160> 2

30 <170> FastSEQ for Windows Version 4.0

35 <210> 1
<211> 1920
<212> DNA
<213> Murine Leukaemia Virus

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<210> 2

<211> 639

<212> PRT

<213> Murine Leukaemia Virus

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<400> 2

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20 25 30

Val Gln His Asp Ser Pro His Gln Val Phe Asn Val Thr Trp Arg Val
35 40 45

Thr Asn Leu Met Thr Gly Gln Thr Ala Asn Ala Thr Ser Leu Leu Gly
50 55 60

20 Thr Met Thr Asp Ala Phe Pro Lys Leu Tyr Phe Asp Leu Cys Asp Leu
65 70 75 80

Ile Gly Asp Asp Trp Asp Glu Thr Gly Leu Gly Cys Arg Thr Pro Gly
85 90 95

25 Gly Arg Lys Arg Ala Arg Ile Phe Asp Phe Tyr Val Cys Pro Gly His
100 105 110

Thr Val Leu Ala Gly Cys Gly Pro Arg Glu Gly Tyr Cys Gly Lys
115 120 125

Trp Gly Cys Glu Thr Thr Gly Gln Ala Tyr Trp Lys Pro Ser Ser Ser
130 135 140

30 Trp Asp Leu Ile Ser Leu Lys Arg Gly Asn Thr Pro Lys Gly Gln Gly
145 150 155 160

Pro Cys Tyr Asp Ser Ser Val Val Ser Ser Ala Gln Gly Ala Thr
165 170 175

35 Pro Gly Gly Arg Cys Asn Pro Leu Val Leu Glu Phe Thr Asp Ala Gly
180 185 190

Lys Arg Ala Ser Trp Asp Ala Ser Lys Ala Trp Gly Leu Arg Leu Tyr
195 200 205

Arg Ser Thr Arg Thr Asp Pro Val Thr Arg Phe Ser Leu Thr Arg Gln
210 215 220

40 Val Leu Asn Ile Gly Pro Arg Val Pro Ile Gly Pro Asn Pro Val Ile
225 230 235 240

Ile Asp Gln Leu Pro Pro Ser Arg Pro Val Gln Ile Met Leu Pro Arg
245 250 255

45 Pro Pro Gln Pro Pro Pro Gly Ala Ala Ser Thr Val Pro Glu Thr
260 265 270

Ala Pro Pro Ser Gln Gln Pro Gly Thr Gly Asp Arg Leu Leu Asn Leu
275 280 285

Val Asn Gly Ala Tyr Gln Ala Leu Asn Leu Thr Ser Pro Asp Lys Thr
290 295 300

50 Gln Glu Cys Trp Leu Cys Leu Val Ala Gly Pro Pro Tyr Tyr Glu Gly
305 310 315 320

Val Ala Val Leu Gly Thr Tyr Ser Asn His Thr Ser Ala Pro Ala Asn
325 330 335

Cys Ser Val Ala Ser Gln His Lys Leu Thr Leu Ser Glu Val Thr Gly
340 345 350

55 Gln Gly Leu Cys Val Gly Ala Val Pro Lys Thr His Gln Ala Leu Cys
355 360 365

Asn Thr Thr Gln Lys Thr Ser Asn Gly Ser Tyr Tyr Leu Ala Ala Pro
370 375 380

5 Ala Gly Thr Ile Trp Ala Cys Asn Thr Gly Leu Thr Pro Cys Leu Ser
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Thr Thr Val Leu Asp Leu Thr Thr Asp Tyr Cys Val Leu Val Glu Leu
405 410 415
10 Trp Pro Lys Val Thr Tyr His Ser Pro Gly Tyr Val Tyr Gly Gln Phe
420 425 430
Glu Glu Lys Thr Lys Tyr Lys Arg Glu Pro Val Ser Leu Thr Leu Ala
435 440 445
Leu Leu Leu Gly Gly Leu Thr Met Gly Gly Ile Ala Ala Gly Val Gly
15 450 455 460
Thr Gly Thr Thr Ala Leu Val Ala Thr Gln Gln Phe Gln Gln Leu Gln
465 470 475 480
Ala Ala Met Gln Asp Asp Leu Lys Glu Val Glu Lys Ser Ile Thr Asn
485 490 495
20 Leu Glu Arg Ser Leu Thr Ser Leu Ser Glu Val Val Leu Gln Asn Arg
500 505 510
Arg Gly Leu Asp Leu Leu Phe Leu Lys Glu Gly Gly Leu Cys Ala Ala
515 520 525
Leu Lys Glu Glu Cys Cys Phe Tyr Ala Asp His Thr Gly Leu Val Arg
25 530 535 540
Asp Ser Met Ala Lys Leu Arg Glu Arg Leu Ser Gln Arg Gln Lys Leu
545 550 555 560
Phe Glu Ser Gln Gln Gly Trp Phe Glu Gly Leu Phe Asn Lys Ser Pro
565 570 575
30 Trp Phe Thr Thr Leu Ile Ser Thr Ile Met Gly Pro Leu Ile Ile Leu
580 585 590
Leu Leu Ile Leu Leu Phe Gly Pro Cys Ile Leu Asn His Leu Val Gln
595 600 605
Phe Ile Lys Asp Arg Val Ser Val Val Gln Ala Leu Val Leu Thr Gln
35 610 615 620
Gln Tyr His Gln Leu Lys Thr Ile Glu Asp Cys Glu Ser Arg Glu
625 630 635